

Title (en)

UV REACTIVE SPRAY CHAMBER FOR ENHANCED SAMPLE INTRODUCTION EFFICIENCY

Title (de)

UV-REAKTIVE SPRÜHKAMMER ZUR VERBESSERTEN PROBENEINFÜHRUNGSEFFIZIENZ

Title (fr)

CHAMBRE DE PULVÉRISATION RÉACTIVE AU RAYONNEMENT UV POUR UNE EFFICACITÉ AMÉLIORÉE DE L'INTRODUCTION D'ÉCHANTILLONS

Publication

**EP 1828743 A1 20070905 (EN)**

Application

**EP 05815978 A 20051212**

Priority

- CA 2005001870 W 20051212
- US 63544704 P 20041214

Abstract (en)

[origin: WO2006063438A1] An analyte for atomic spectrometry detection is prepared by introducing an aerosol of the analyte into a chamber, and irradiating the aerosol with ultraviolet light in the presence of a low molecular weight organic acid or other suitable photoactivatable ligand donor species to create vapor containing the analyte. The vapor containing the analyte is extracted from the chamber and used for atomic spectrometry detection.

IPC 8 full level

**G01N 21/31** (2006.01); **B01L 99/00** (2010.01); **G01N 21/63** (2006.01)

CPC (source: EP US)

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